MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

APRIL, 1937

J. A. BROWN, DIRECTOR

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APRIL 1937

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.1	57.8	59.7	58.9	23.2	16.4	18.8	22.0	17.6	19.5
2	6.8	6.0	4.5	5.8	28.3	18.6	23.4	27.7	21.6	24.2
3	6.4	6.1	7.5	6.7	22.8	14.3	19.3	20.1	18.2	19.2
4	7.8	8.6	60.1	8.8	22.6	14.3	20.2	21.6	17.6	19.8
5	9.8	9.0	57.9	8.9	22.4	13.9	18.9	20.3	16.2	18.5
6	55.2	53.8	56.1	55.0	24.7	15.1	17.0	24.3	17.6	19.6
7	8.2	9.1	60.4	9.0	22.6	14.3	19.5	20.8	16.4	18.9
8	60.9	7.8	55.9	8.2	21.8	17.8	20.0	20.6	19.1	19.9
9	53.6	2.7	2.0	2.8	23.3	18.5	20.6	20.4	23.3	21.4
10	0.8	2.7	4.0	2.5	23.4	13.5	19.7	18.6	14.2	17.5
11	58.1	61.4	64.5	61.3	19.6	14.2	17.8	18.9	15.9	17.5
12	66.6	6.7	7.3	6.9	21.3	14.4	18.5	20.7	16.7	18.6
13	5.0	3.8	3.2	4.0	23.9	16.8	19.2	20.9	20.4	20.2
14	3.1	3.2	3.0	3.1	24.6	16 4	22.7	23.8	17.6	21.4
15	2.9	1.6	0.3	1.6	25.0	18.9	20.9	23.7	19.3	21.3
16	57.9	56.0	52.4	55.4	33.1	17.9	28.5	29.9	24.9	27.8
17	6.6	8.1	9.1	7.8	27.2	15.2	20.4	18.2	16.9	18.5
18	60.5	60.2	61.1	60.6	22.4	15.6	18.4	21.9	17.0	19.1
19	2.6	2.1	2.7	2.5	22.1	14.2	20.2	21.2	16.5	19.3
20	3.7	4.0	3.9	3.9	22.3	16.2	20.2	21.4	17.6	19.7
21	62 0	60.1	60.2	60.8	24.1	14.8	20.6	23.1	19.9	21.2
22	0.2	0.0	0.9	0.4	25.4	16.1	21.9	24.8	20.3	22.3
23	0.8	0.4	0.7	0.6	25.0	16.7	21.0	24.4	18.3	21.2
24	59.2	58.9	59.0	59.0	25.0	16.1	21.2	22.3	18.4	20.6
25	61.5	61.2	1.2	61.3	23.2	15.6	20.4	22.0	17.2	19.9
26	61.7	60.5	60.3	60.8	22.8	15.0	19.8	22.3	18.8	20.3
27	59.9	58.2	56.8	58.3	25.2	18.3	21.8	23.2	22.1	22.0
28	8.2	9.3	6.7	8.1	25.4	17 7	21.3	24.8	21.6	22.6
29	7.6	6.7	7.6	7.3	25.4	17.6	22.3	24.2	19.2	21.9
30	9.2	8.6	9.0	8.9	26.3	16.7	22.2	25.4	19.8	22.5
	759.53	759.15	759.27	759.31	24.15	16.04	20.56	22.45	18.67	20.55

Barometer, range for month 750.8 mm.–767.3 mm.
,, 50-yr. average for month 760.038 mm.
Thermometer, range for month 13.5° C.—33.1° C.
,, 50-yr. average for month 18.90° C.
Rain, total for month 30.226 mm.
,, , 50-yr. average for month 55.880 mm.
,, , total, Sept. 1st to end of month 783.775 mm.
,, 50-yr. average, Sept 1st to end of month 881.900 mm

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	15.4	13.7	17.1	11.3	13.8	14.1	13.1	68	69	94	77	9.3	
2	17.9	18.9	16.6	12.0	11.2	11.0	11.4	56	40	56	51	2.3	
3	17.9	18.4	17.1	14.2	14.5	13.7	14.1	85	83	87	85	0.0	
4	17.0	16.8	15.6	12.3	11.3	11.8	11.8	70	58	79	69	8.7	traces
5	15.7	16.7	14.9	11.1	11.8	11.8	11.6	69	67	86	74	6.6	
6	14.4	16.5	14.9	10.6	9.8	11.0	10.5	74	43	74	64	1.9	
7	15.6	15.8	14.4	10.7	10.4	10.9	10.7	64	57	79	67	7.5	
8	16.6	16.6	17.2	11.9	11.5	13.3	12.2	68	64	81	71	7.4	
9	17.8	17.7	16.4	13.2	13.2	10.0	12.1	74	74	47	63	1.4	
10	15.5	15.9	13.9	10.6	11.7	11.6	11.3	62	74	96	77	0.7	17.780
11	13.9	15.7	13.2	9.6	11.2	9.6	10.1	63	69	72	68	6.4	4.826
12	14.3	16.3	14.5	9.7	11.1	10.9	10.6	61	61	78	67	8.6	
13	14.5	16.3	16.7	9.6	10.9	11.7	10.7	58	59	65	61	4.8	
14	15.5	18.1	16.8	9.3	11.9	13.6	11.6	46	54	91	64	9.2	
15	18.4	19.9	17.9	13.9	14.6	14.2	14.2	75	68	85	76	8.9	
16	19.4	19.2	17.2	11.5	10.7	10.3	10.8	39	33	44	39	9.2	
17	17.7	15.4	15.3	13.2	11.2	11.9	12.1	74	73	83	77	1.7	3.683
18	16.1	17.1	14.9	12.0	11.5	11.3	11.6	77	59	79	72	6.2	3.937
19	15.8	16.8	14.6	10.8	11.4	11.2	11.1	61	61	80	67	9.2	
20	16.4	16.7	15.9	11.5	11.3	12.3	11.7	65	59	82	69	9.7	
21	17.1	16.8	17.8	12.1	10.6	12.1	11.6	67	50	70	62	11.9	
22	19.2	20.2	18.2	14.5	14.4	13.9	14.3	74	62	79	72	11.4	
23	18.8	20.4	16.9	14.7	15.0	13.3	14.3	80	66	85	77	12.4	
24	18.4	18.9	16.9	13.8	13.9	13.3	13.7	71	69	84	75	12.0	
25	17.0	17.5	14.9	12.2	12.0	11.2	11.8	68	61	77	69	11.4	
26	15.7	18.4	17.6	10.7	13.1	14.1	12.6	62	65	88	72	12.0	
27	16.5	20.5	18.8	10.8	15.9	13.8	13.5	55	76	69	67	10.9	
28	19.4	21.1	19.1	15.3	15.8	14.6	15.2	81	69	76	75	7.7	
29	20.0	20.6	18.4	15.6	15.5	15.2	15.4	78	69	91	79	10.7	
30	19.8	23.0	18.9	15.4	17.9	15.6	16.3	78	74	91	81	9.3	
				12.14	12.64	12.40	12.41	67.4	62.9	81.6	69.6	7.65	1.008

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	7ci	7cicu	3cicu	5.7	0	3se	1nw	142.4	slight	light dew a.m.
2	10ci	10ci	2cicu	7.3	0	0	1w	42.9	calm	thick mist a.m.
3	10cicu	10nicu	10nicu	10.0	4s	1s	3s	470.4	slight	
4	7stcu	1cu	8cu	5.3	2w	2w	0	223.9	„	
5	9cicu	10nicu	1cu	6.7	3s	2s	0	228.8	mod.	
6	10cicu	8stcu	2cu	6.7	0	4s	1s	255.3	slight	lightning p.m.
7	4cu	9cicu	9cu	7.3	2se	2s	0	146.6	rough	
8	9cicu	8cicu	10cu	9.0	2se	4n	4se	566.0	„	
9	10cicu	10nicu	10cicu	10.0	1s	1e	4s	211.0	mod.	
10	9cu	10nicu	10ni	9.7	6s	1s	4s	684.9	rough	
11	9nicu	9nicu	7nicu	8.3	4s	3s	4s	1052.5	stormy	
12	4cicu	6cu	7cu	5.7	3s	3s	2s	346.0	rough	
13	9cicu	10cicu	8cicu	9.0	3s	4s	3s	678.0	mod.	
14	0	0	0	0.0	3s	1s	0	291.6	„	
15	3ci	0	0	1.0	1se	1s	0	34.6	calm	
16	0	0	9cu	3.0	0	1ne	0	29.2	„	mist a.m. lt. & th.&
17	10nicu	10nicu	10ni	10.0	5s	3s	4s	530.5	rough	lightn p.m. gl. p.m.
18	8cu	4cu	5cu	5.7	3s	2s	2s	496.5	„	
19	5cu	4cu	0	3.0	3s	3s	1s	228.0	„	
20	0	2ci	0	0.7	0	2e	4n	229.3	slight	
21	0	0	0	0.0	0	2n	0	221.3	„	
22	0	0	0	0.0	0	1se	0	57.9	calm	
23	0	0	0	0.0	1se	0	0	49.8	„	light dew a.m.
24	0	0	0	0.0	1se	2n	1n	315.4	slight	
25	7cu	3cu	2cu	4.0	2s	2se	3n	101.4	mod.	
26	2cu	0	0	0.7	2n	4ne	4n	713.6	rough	
27	2cu	3cu	6cu	2.7	3n	3ne	2n	639.7	„	mist a.m.
28	10cicu	7cicu	8cu	8.3	3s	2s	1s	401.8	slight	
29	4cu	4cu	0	2.7	2s	2s	0	204.6	calm	
30	0	6ci	0	2.0	3s	0	1sw	260.4	slight	
				4.82	2.1	2.0	1.7	328.48		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	2	0	0	5	15	0	1	0	7	30
14:30	3	3	2	3	15	0	1	0	3	30
20:30	5	0	0	1	11	1	1	1	10	30
Totals	10	3	2	9	41	1	3	1	20	90

Number of days with rain 5, fog 0, thunderstorm 1, gale 1.

50-yr. average number of days with rain during month 6.3